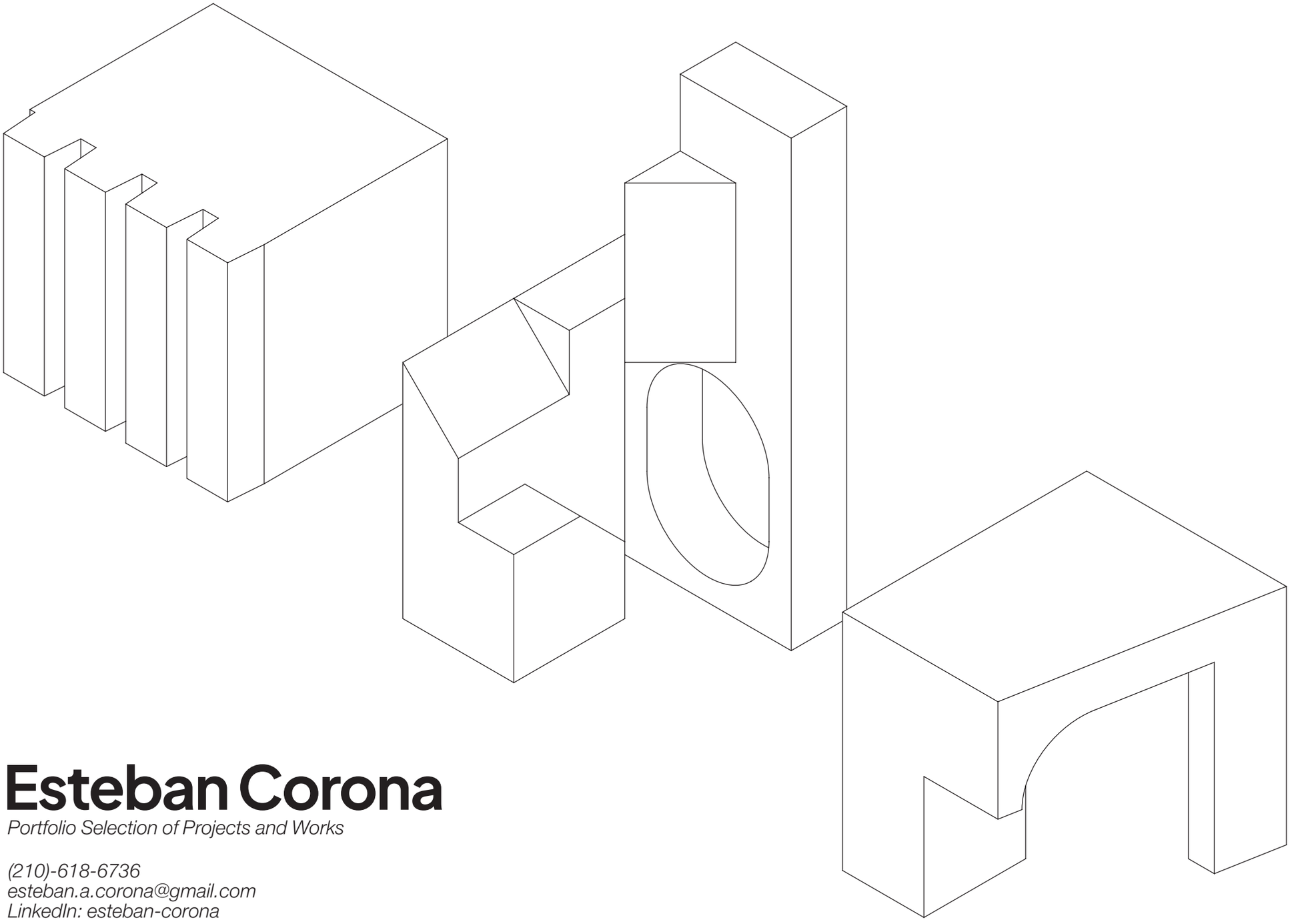

Esteban Corona

Portfolio Selection of Projects and Works

(210)-618-6736
esteban.a.corona@gmail.com
LinkedIn: esteban-corona

Esteban Corona

Architectural Designer
Email | esteban.a.corona@gmail.com
Phone | (210)-618-6736

Education

Washington University in St. Louis | Aug 2025 – May 2027
Master of Architecture | Merit Scholar

Texas Tech University | Aug 2020 – May 2024
Bachelor of Science in Architecture
Bachelor of Business Administration

Texas Tech University Center Sevilla | Jan 2023 – Jun 2023
Study abroad coursework in Spanish Architecture and Urban Planning

Work Experience

Allpoints Surveying | Jan 2025 – Aug 2025
Plot Plans Drafter

Sam Fox School of Design & Visual Arts | Aug 2025 – Present
Digital Fabrication Lab Monitor

Huckabee College of Architecture | Dec 2021 – May 2024
Lead Student Assistant

Huckabee College of Architecture | Dec 2021 – May 2024
Assistanship with Zahra Safaverdi

Huckabee College of Architecture | Aug 2023 – Dec 2023
Student Researcher

Awards & Achievements

Architecture Competition | Texas Tech University Annual Publication
Awarded 1st place for designing a shed optimized for the local climate and typology, showcased at end-of-year show.

Published Work | Texas Tech University Annual Publication
Selected to showcase work featuring innovative architectural solutions at the end-of-year show.

Photography Competition | Texas Tech Photo Competition & Exhibition
Awarded 2nd place in a study abroad photo competition; exhibited work in the school's showcase.

Skills & Interests

Technical: Revit, Rhino, Grasshopper, AutoCAD, Adobe Suite, Cinema4D, Blender, SketchUp, Lumion, Enscape, Office Suite

Languages: Spanish, English

Interests: Writing music, playing drums and guitar, photography, graphic design, cinematography

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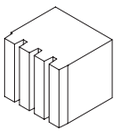
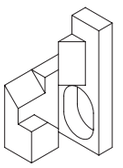
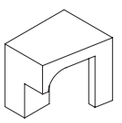


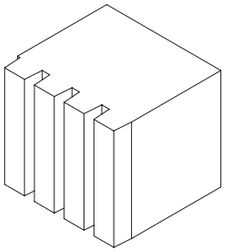
Collective Harlem Housing
3



Boston Bioremediation Center
10



Agora de Sevilla
16



Collective Harlem Housing

East Harlem, New York

Multigenerational Housing

Fall 2025 in conjunction with Prof. Petra Kempf (petra.kempf@wustl.edu)

As housing costs continue to rise in New York City, this project not only responds to the pressures of gentrification threatening East Harlem, but to ***generate new ideas of communal spaces.***

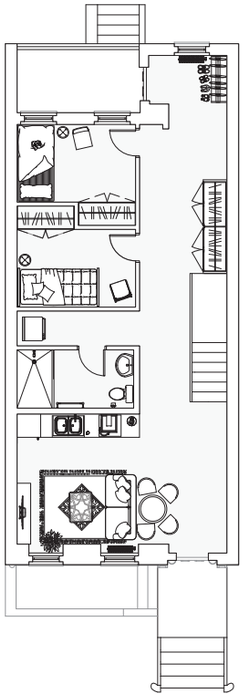
Breaking the Rowhouse typology and respecting the local material logic, the proposal creates a gradient from public to private space, ***reinforcing community while maintaining individual privacy.***

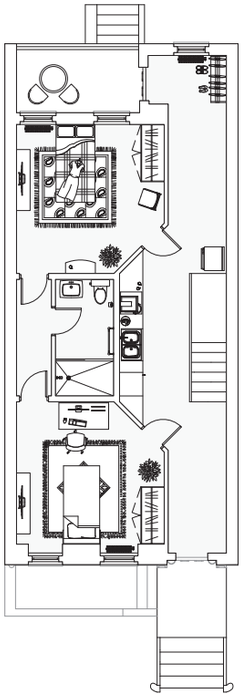
Threshold Models & Cultural Images

Understanding housing in New York City begins with studying the thresholds that occur locally in the community. In New York, the focus is on the stoop and the role it plays in the gradient of public to private space.

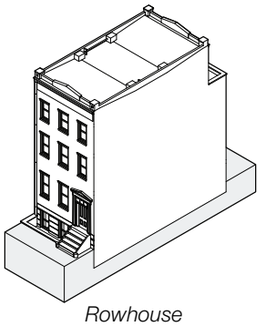
Rowhouse Unit Designs

Plans below show an initial design study of the traditional rowhouse to envision scenarios of living within the original boundaries of the typology. This process revealed the true density of New York City housing: cramped corridors, shared facilities, and little communal space. These conditions provided a foundation for breaking the typology while prioritizing density and community.

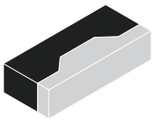




Concept Diagram

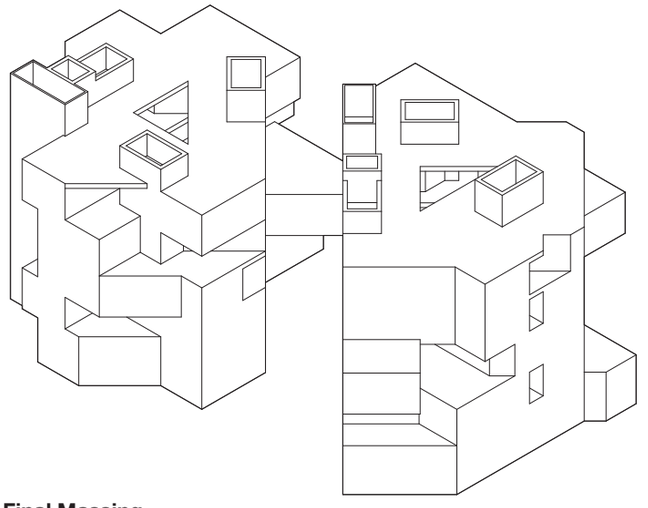


Rowhouse

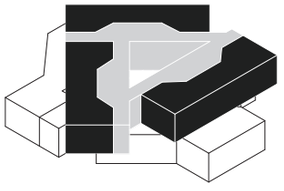


Abstraction

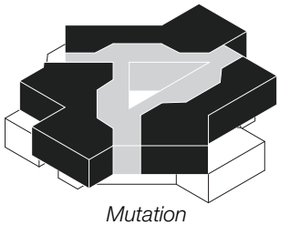
Grouping



Mutations



Addition

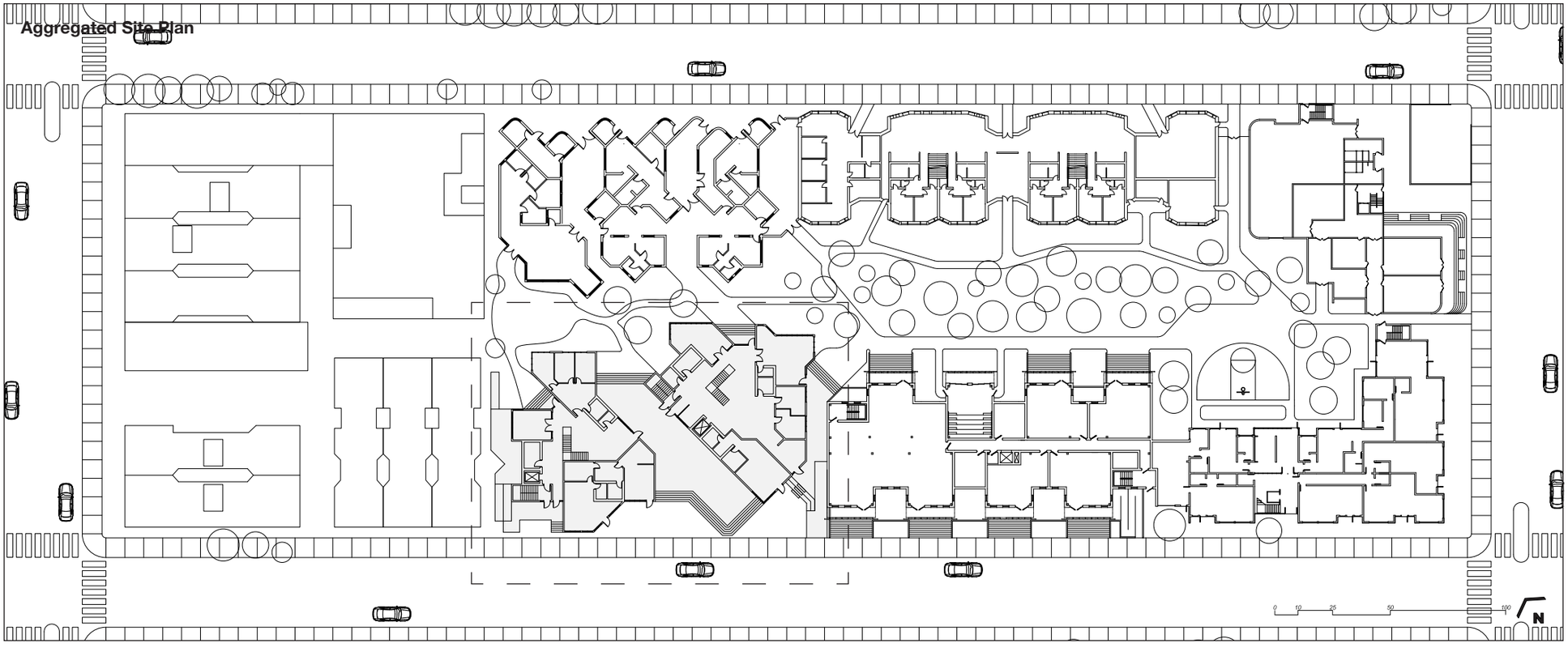


Mutation

Final Massing

Through a process involving abstraction and mutation working upwards, two groupings of units emerged. Each pushing and pulling, reacting to conditions within the context and the units adjacent, creating a richer mix of community and private space. The derived form created balconies, terraces, and niches, all with the sense of strengthening the communty in mind, while keeping the density of New York City intact.

Aggregated Site Plan



Ground Floor Plan

Keeping common storefronts while reinterpreting housing units drives the ground floor plan, which creates a unique blend of public and private space, dependent on reinterpreting and exaggerating the stoop. With the large central divide, a community space distinct from the street and other projects on the block opens new space for outdoor community gathering as well as allowing light into rear units.

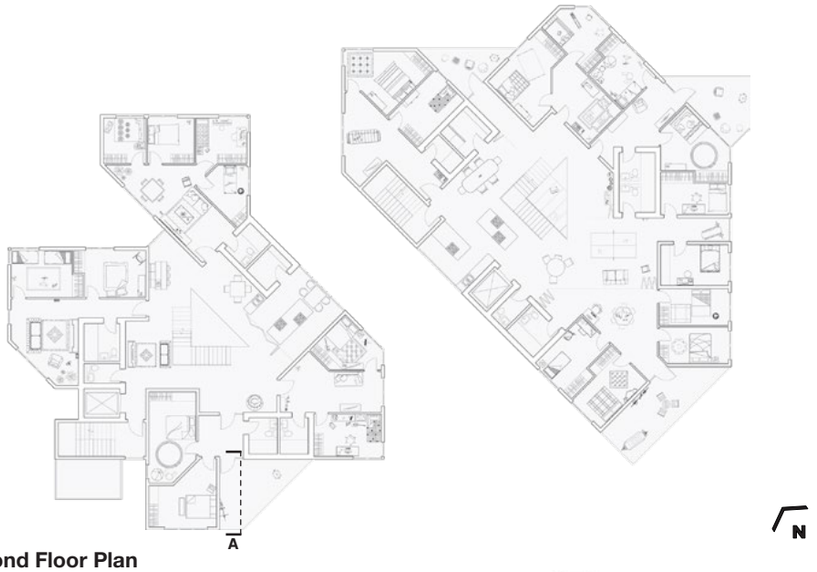
Plan Key

1. Cafe Bar
2. Panaderia
3. Music Store
4. Community Center
5. Laundromat
6. Mechanical Room
7. ADA Units
8. Outdoor Seating
9. Public Stoop
10. Community Garden
11. Communal Kitchen
12. Communal Bath
13. Exterior Kitchen
14. Mail Room

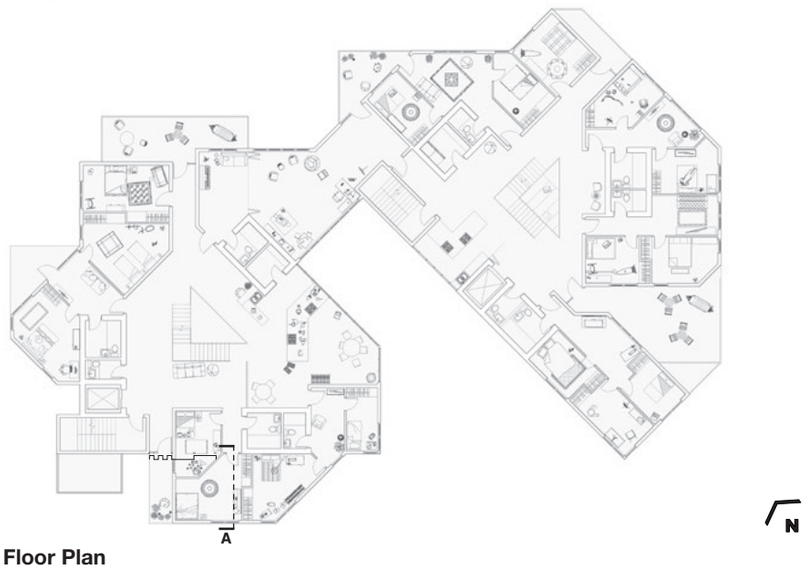
Community

The exaggerated stoop stems from the early studies of New York thresholds, developing a new meaning to what the stoop can be. While it still mediates the gradient from public to private space, it is now inhabitable on a scale much larger than before. For now it is a garden, but community members have the freedom of altering it to any state or purpose they like, an architecture that is theirs to mold.

Ground Floor Plan



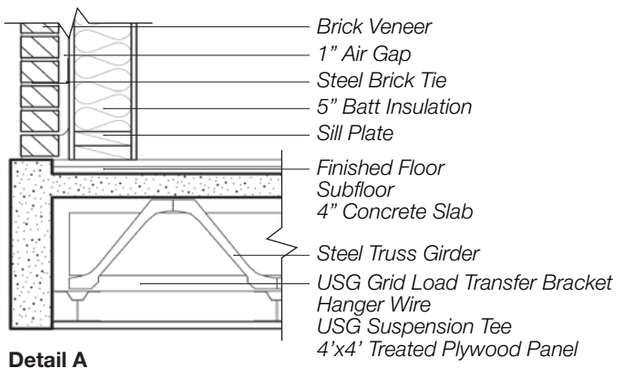
Second Floor Plan



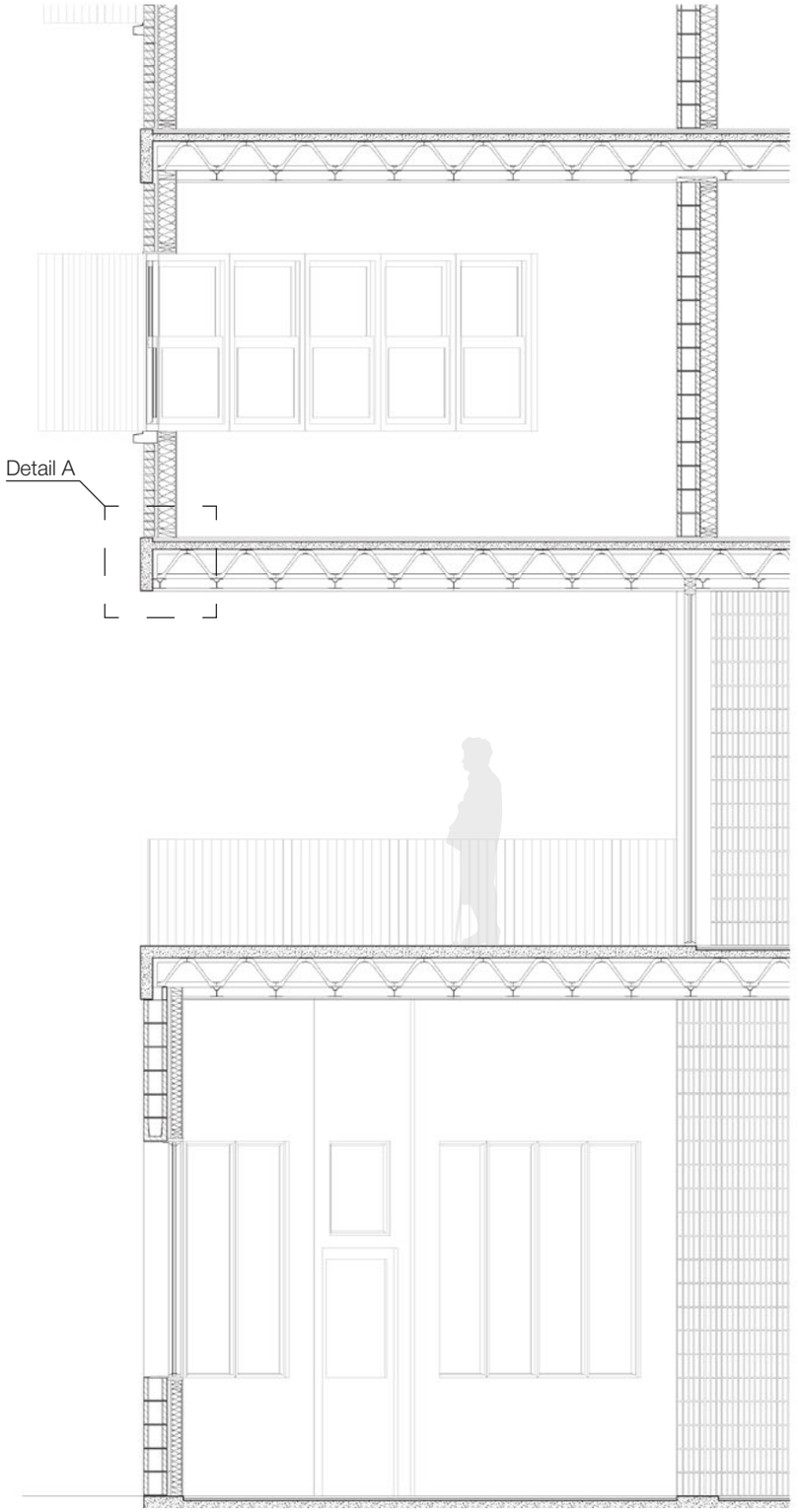
Third Floor Plan

Materials

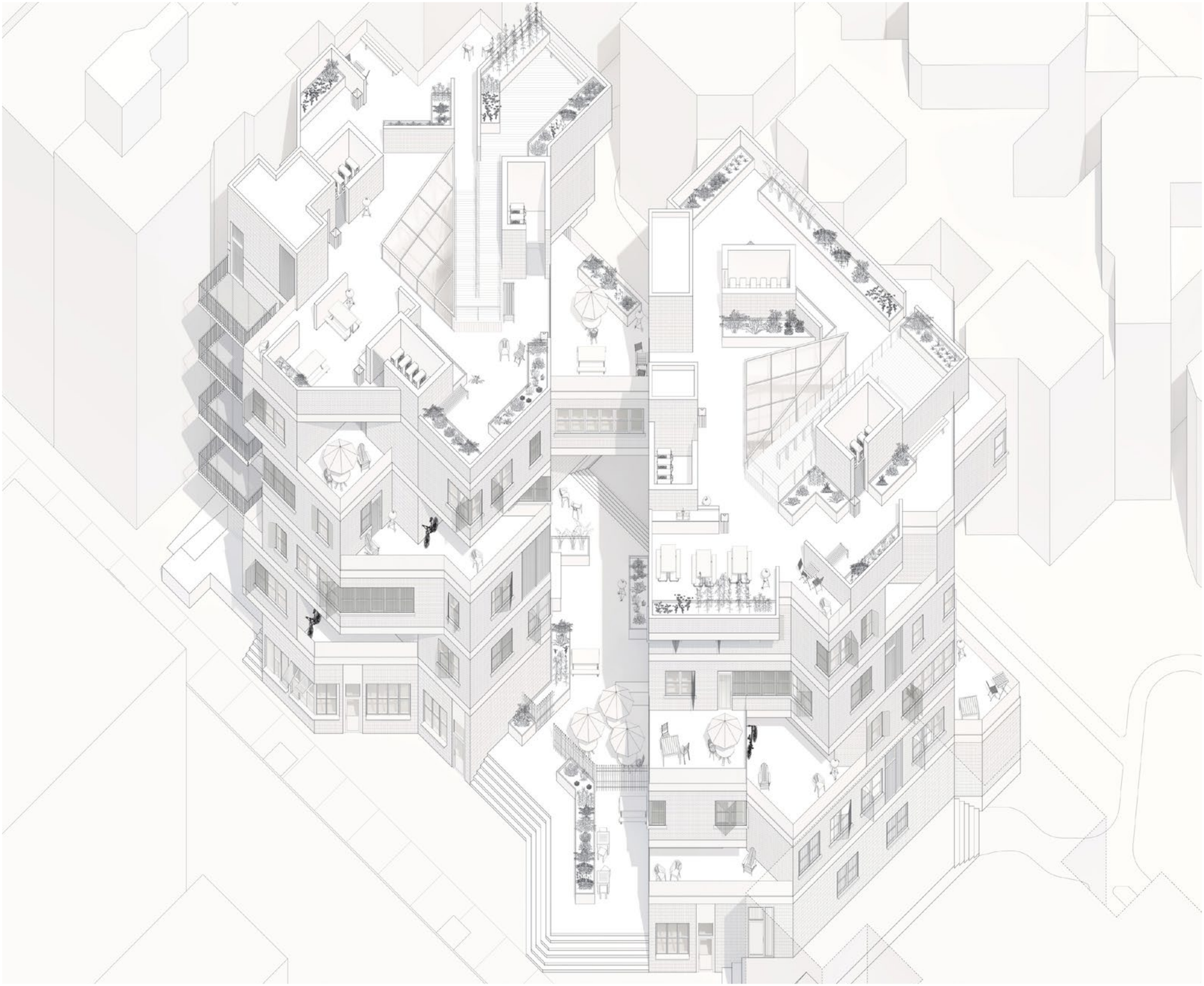
There was an emphasis on common building systems and affordable materials so as to design housing that does not price the locals out of their neighborhoods rich in history.



Detail A



Section A



SCHOOL BUS

Boston Bioremediation Center

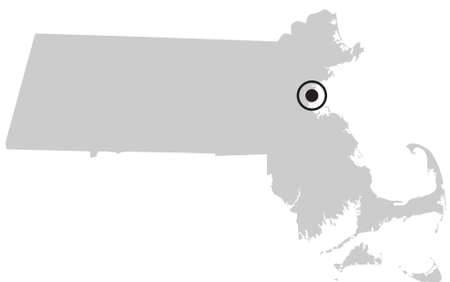
Boston, Massachusetts

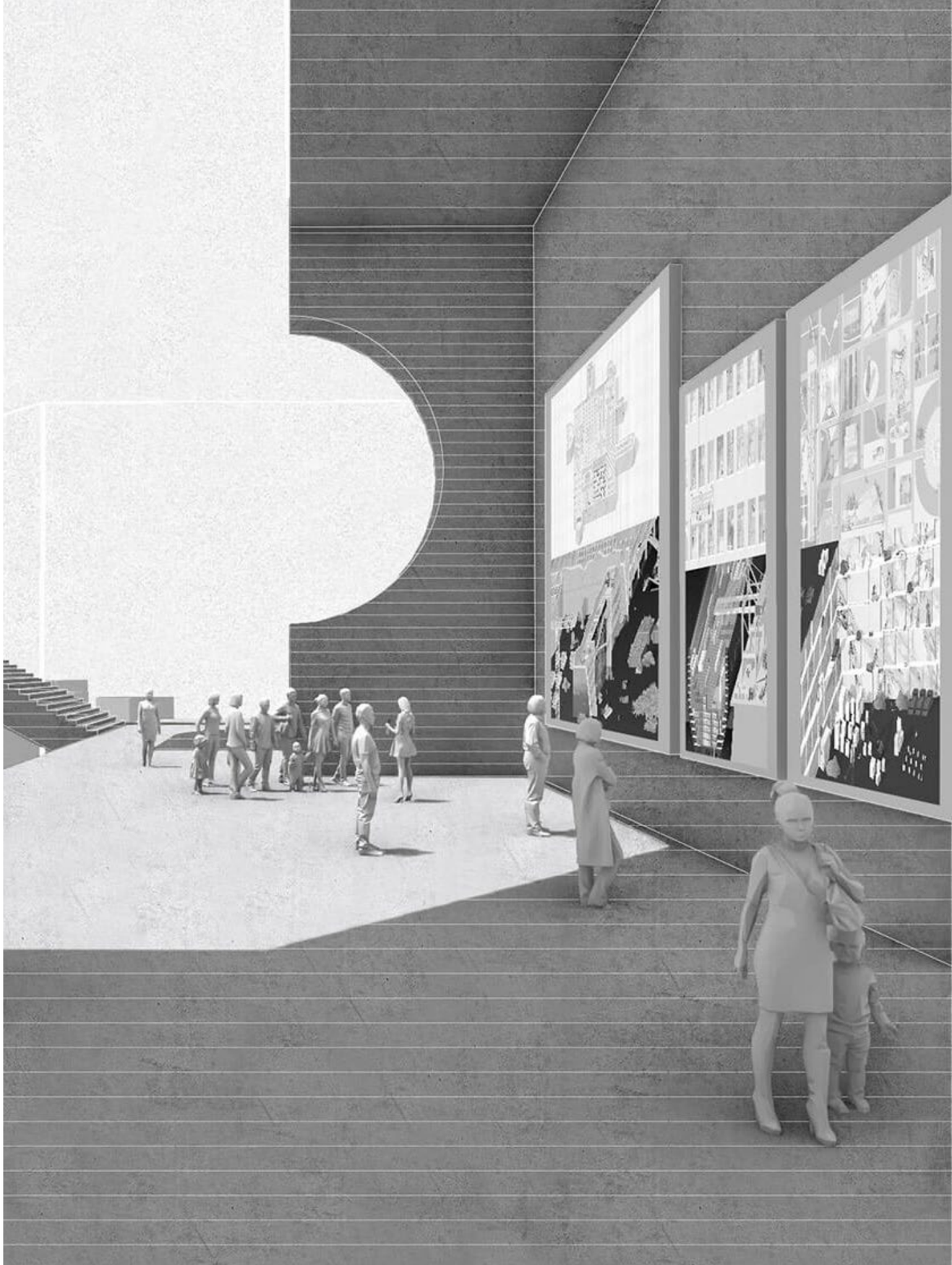
Ecological Lab & Exhibition Space

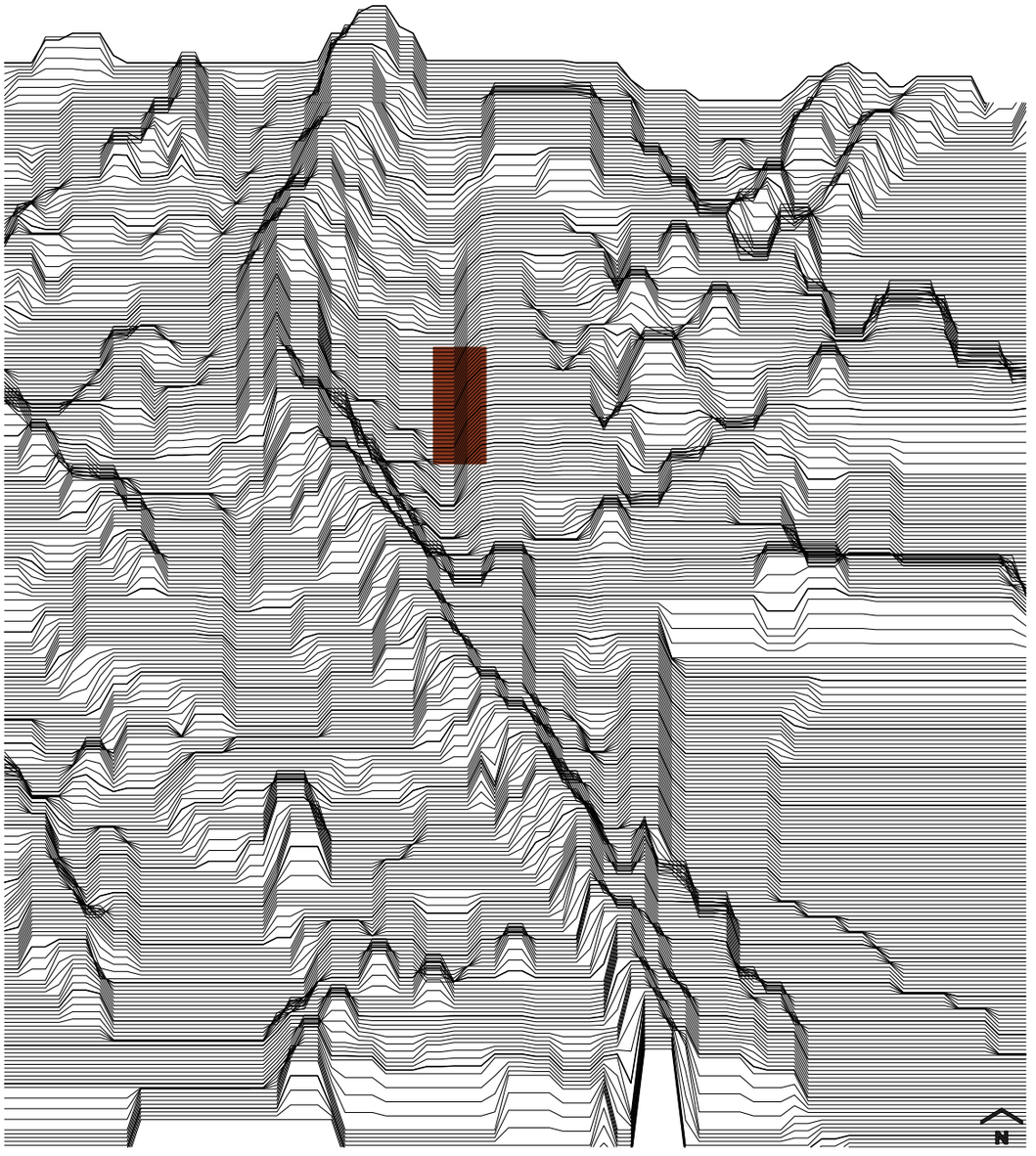
Fall 2022 in conjunction with Prof. Zahra Safaverdi
(szahra@wustl.edu)

*The Boston Bio(remediation) Center focuses on **fusing research** and **gallery spaces,** showcasing findings related to the organic agents that act to remediate toxic environments to the public.*

*The project acts as an **agent of bioremediation** for Southie, slowly breaking down its toxic elements of incoming condo developers, returning the neighborhood to its original inhabitants.*



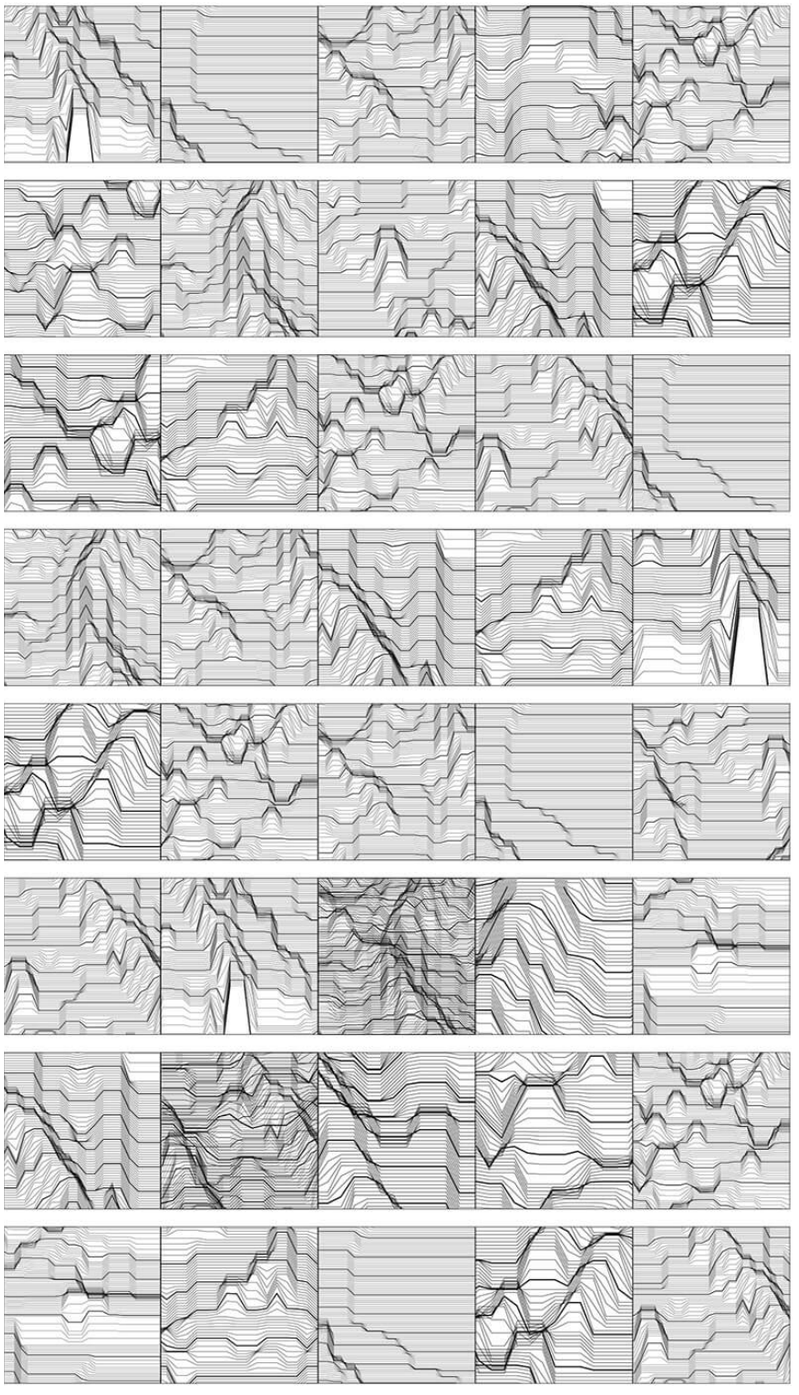




Vibrations Diagram of Southie

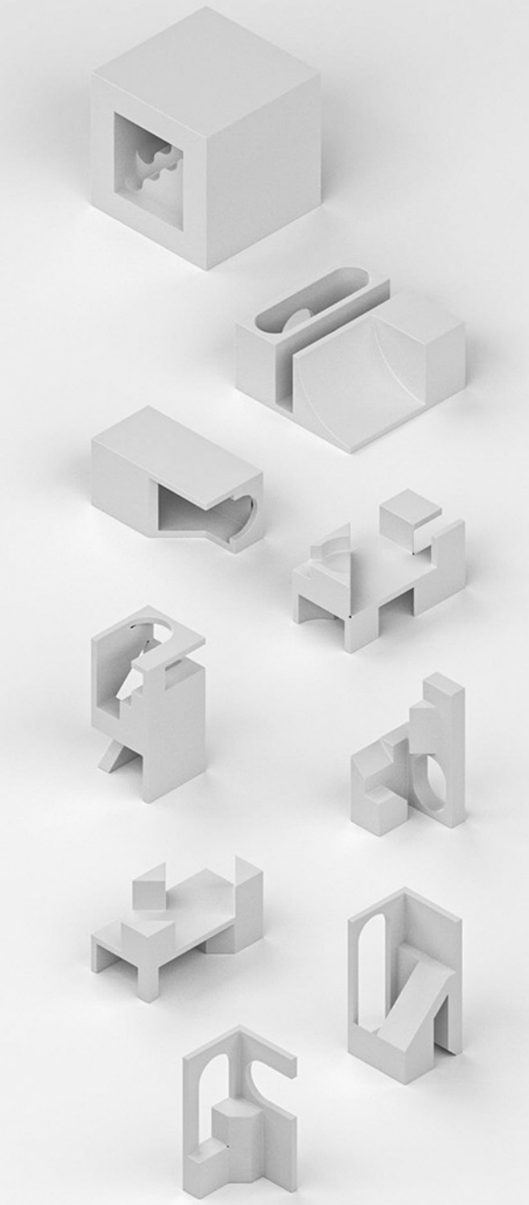
The vibrations diagram of Southie is an in-depth analysis and plotting of the various levels of ***sound, movement,*** *and* ***activity,*** *all into one abstract form.*

Gained was an understanding of where plots of activity occur and a visual map of the heirarchy of spaces in Southie. The insights from this study directly informed the project's program, shaping a series of volumetric forms that generate programmatic adjacencies and form all at once.

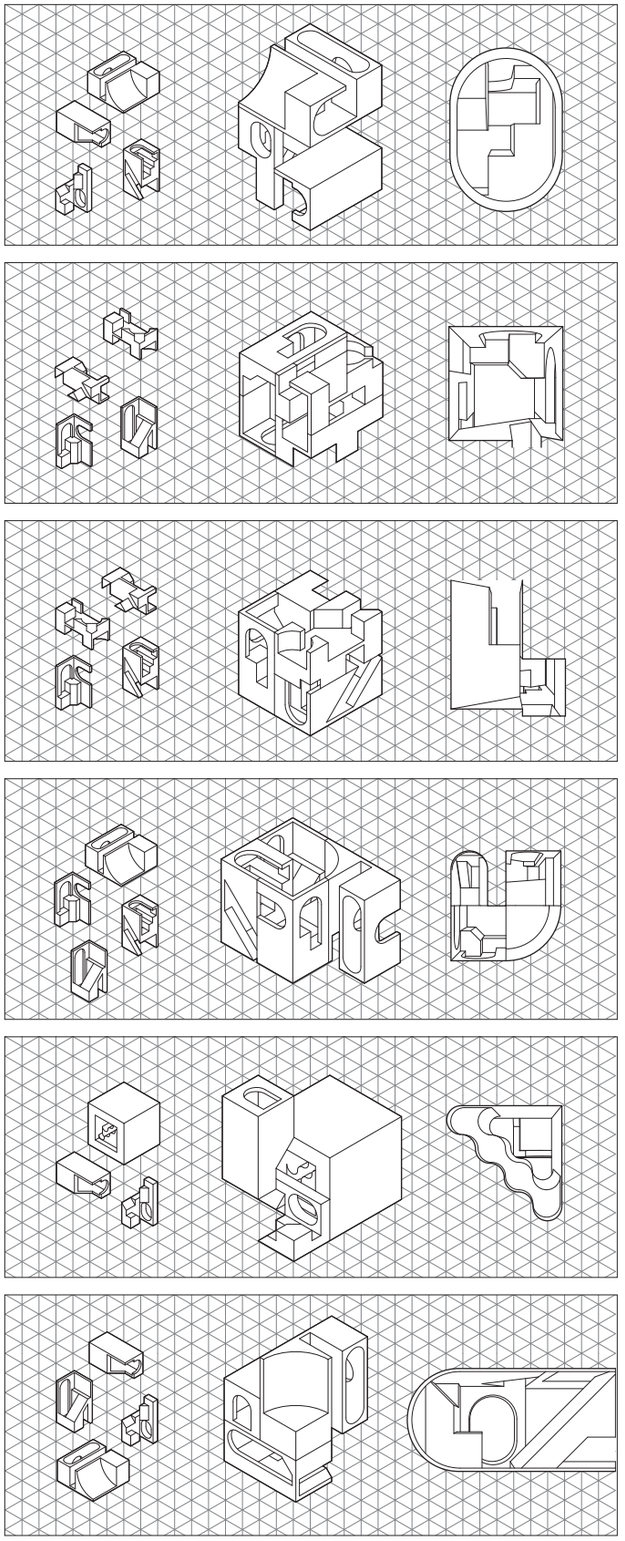


Instance Composites

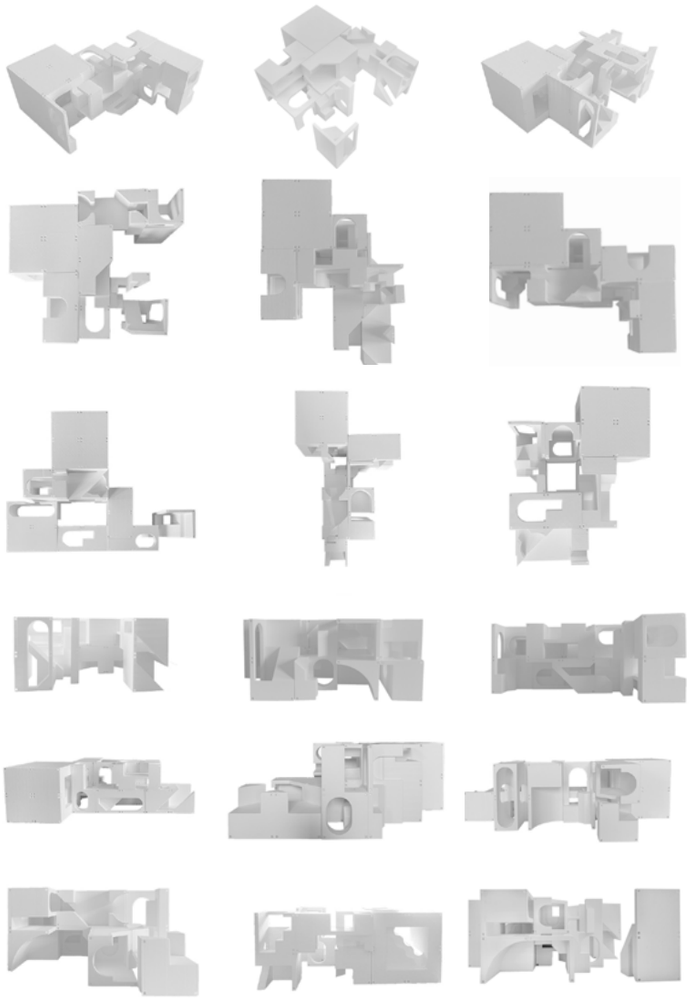
Volumetric Characters



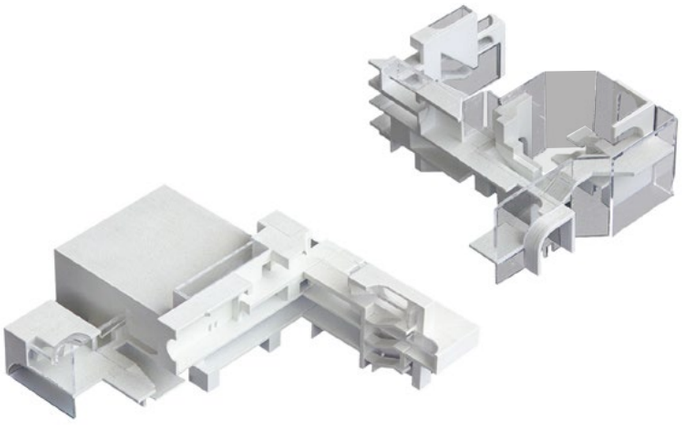
3D Possibilities

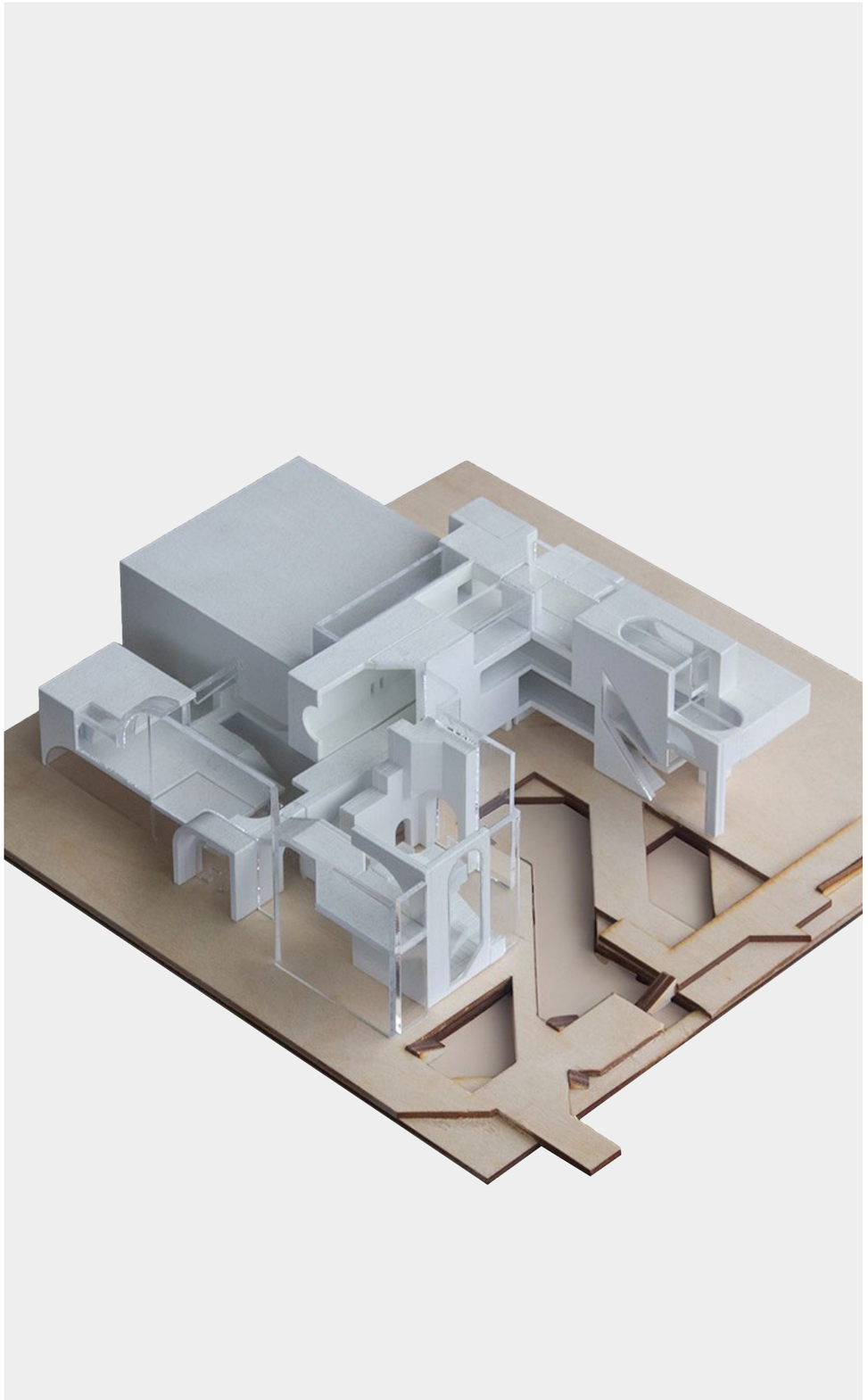


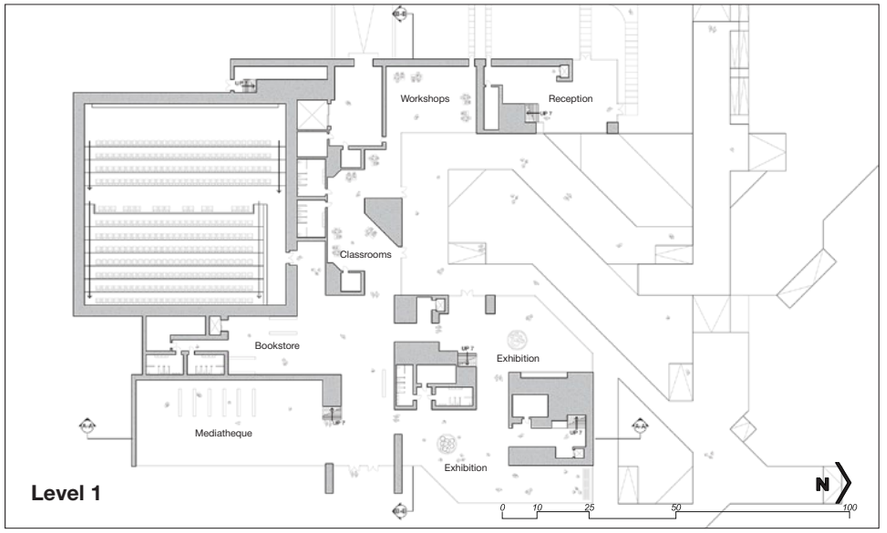
Shuffled Physical Model Play



Final Physical Sectional Model

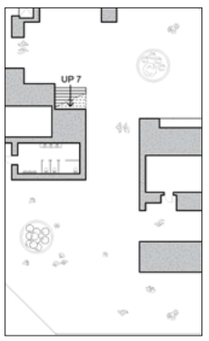






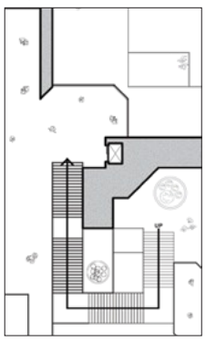
Exhibition Space

The exhibition space has two main spaces to interact with patrons as they enter and exit the tour.



Transition Space

Transition space has open view of courtyard area to have as many views into the courtyard as possible.

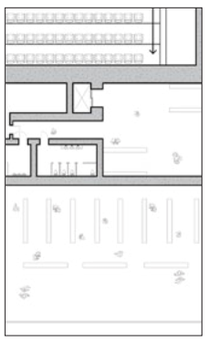


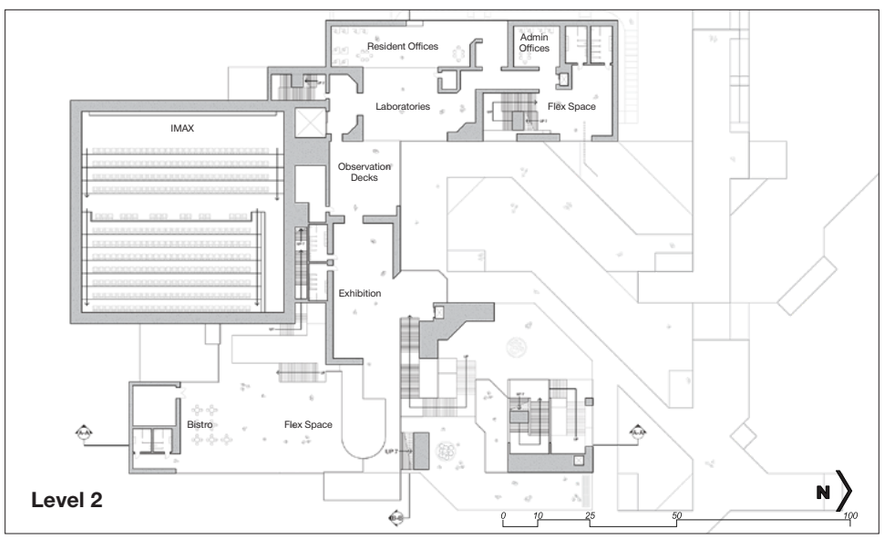
Office & Labs

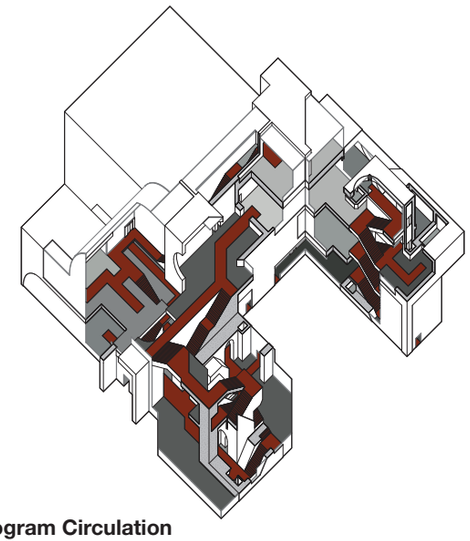
Office and laboratory spaces share a visual connection to articulate clarity from private to public spaces.

Mediatheque

The mediatheque works to provide the public with literature and other material on areas of Bioremediation.

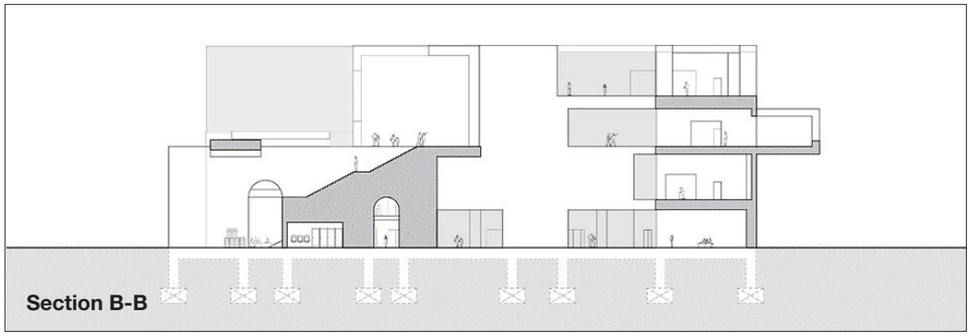




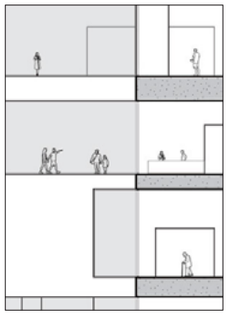


Offices
Admin.
Bistro
Labs
Atrium
Obs. Deck
Lab Flex
Exhibition
Storage
Mediatheque
Workshops
Circulation

Program Circulation

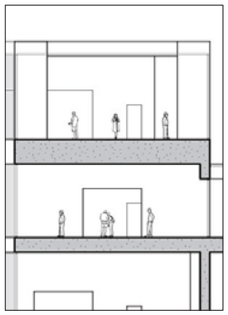


Section B-B



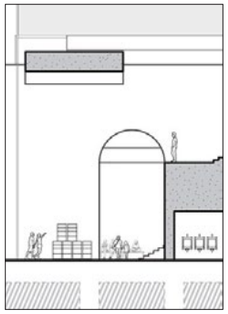
Observation Deck

The Observation Deck observes the studies and experiments of the scientists, creating an interactive display of active bioremediation. A visual connection to the courtyard connects us not only to the process, but the results.



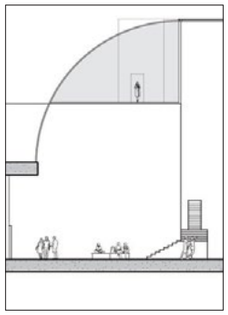
Upper Level Labs

The upper level labs are meant as a private area of work while still being visible to the public at a distance. Doing so continues the thought of clarity in the center's spaces, creating both connection and barriers simultaneously.



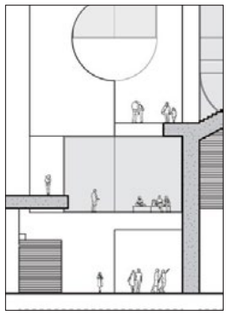
Exhibition

Visitors move through the exhibition area, learning different stages of bioremediation, from local remedies to global solutions. Connecting the community to the neighborhood, fostering resilience against man and nature.



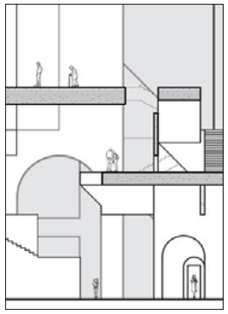
Atrium

The Exhibition and Bistro area are merged with the atrium flex space to allow for public interaction without the need for connection. Thus creating various welcoming third spaces for the public.



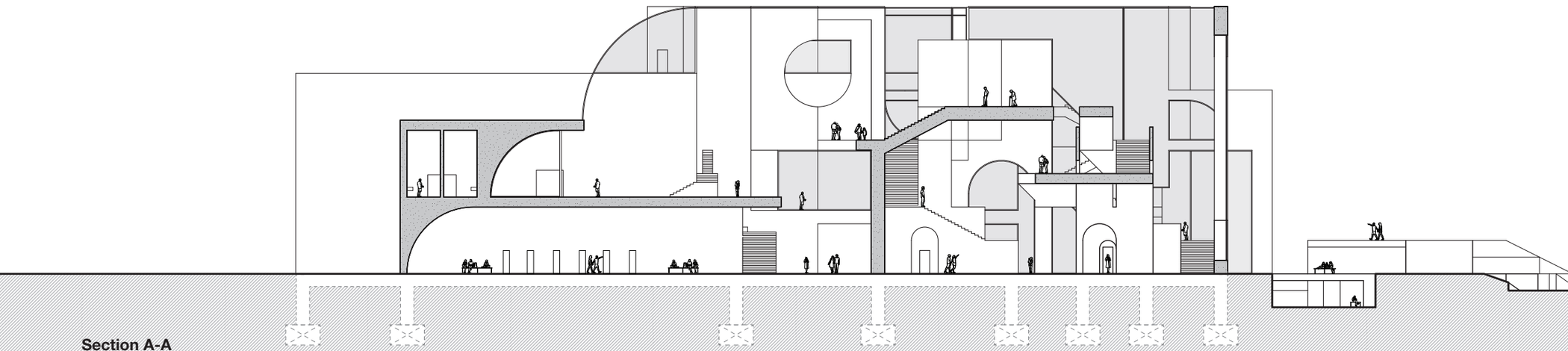
Storage

The Center's storage facilities are located centrally to be able to access any given space in the building in a close proximity, which allows for easy access at both the public and private level.

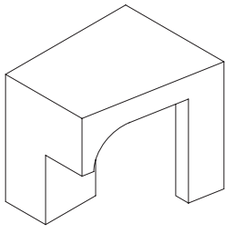


Landings

Small landings placed throughout exhibition space provide both rest and interesting views. They fold through space, moving tours while connecting them with interior and exterior



Section A-A



Agora de Sevilla

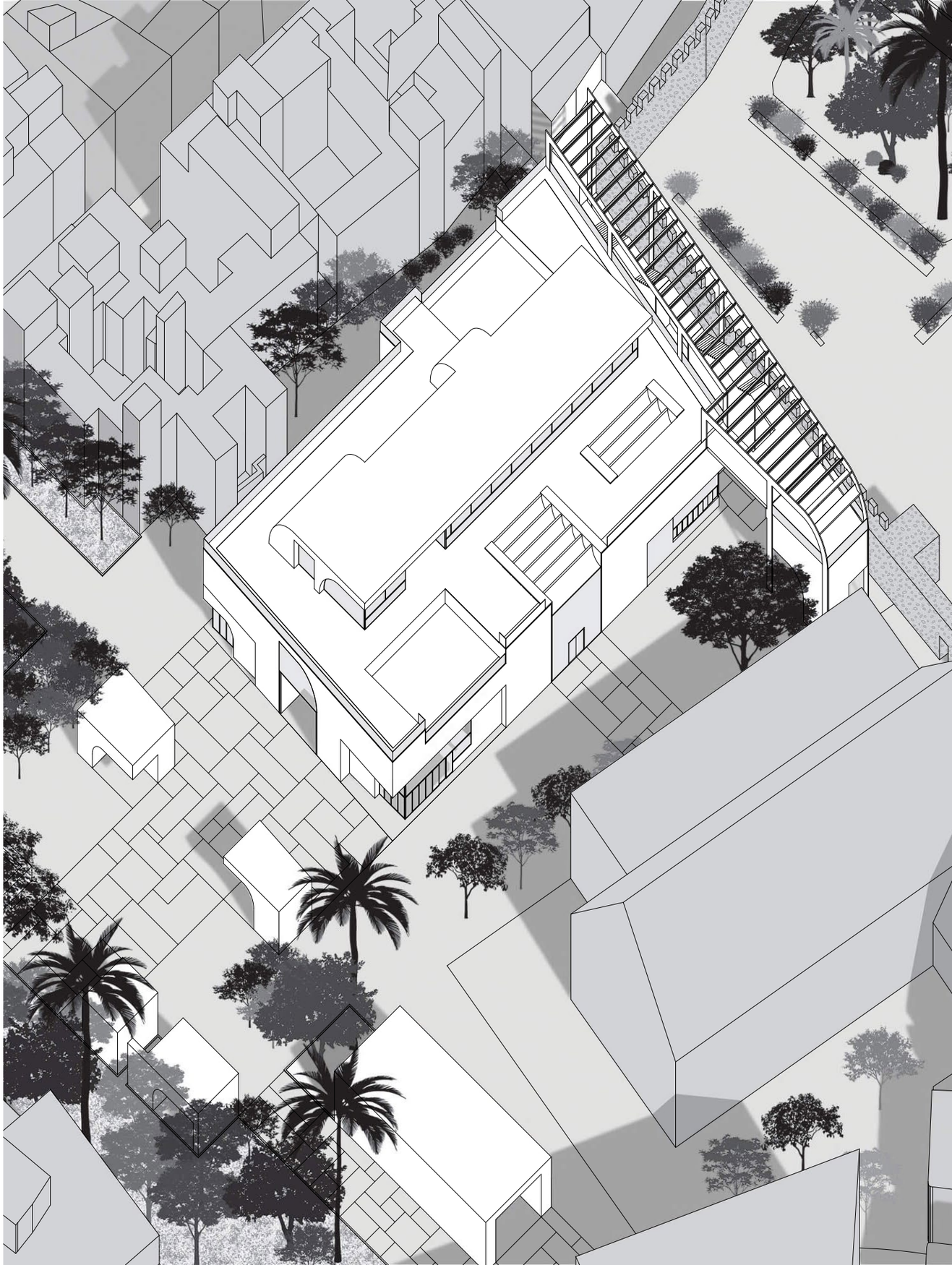
Sevilla, Spain

Market

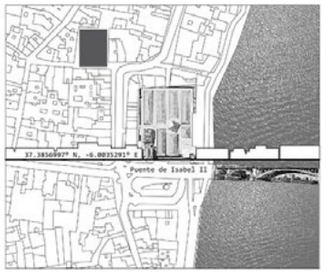
Spring 2023 in conjunction with Prof. Angel Martinez
(mar44611@ttu.edu)

The Agora de Sevilla takes on the role of translating the different aspects of Sevillan culture into the physical form of a ***market.***

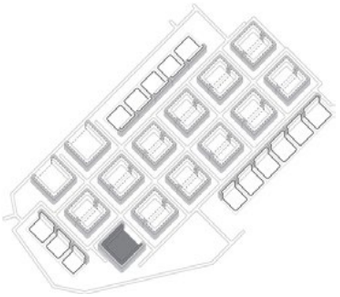
The market is made up of ***four fragments*** *carved out of one larger* ***monolith****, mirroring the scale of thickness and openings of the adjacent historic wall. Those are then fragmented even further to create spaces in, and around, the structure. Spaces that draw the neighborhood in to celebrate the Andalusian way of living.*

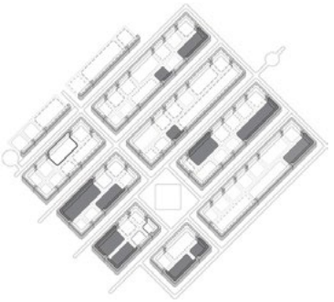


Context Collage

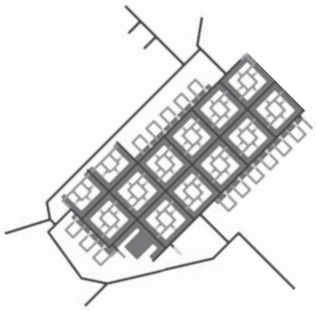


Program Organization





Circulation Density



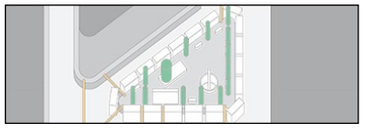
Fresh Food Theater
Shiyan, China
2019
26,900 sqft

Sectional complexity and spatial transparency elevates everyday commerce into an experiential public infrastructure.

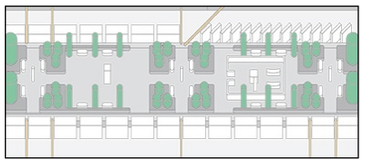
Mercado Triana
Sevilla, Spain
2001
43,000 sqft

Showcases how a market can act as both daily infrastructure and historic artifact, integrating archaeoligical layers to modern circulation.

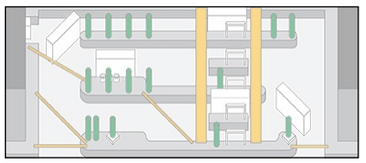
Precedent Market Analysis



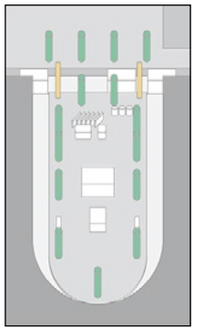
Plaza de San Leandro



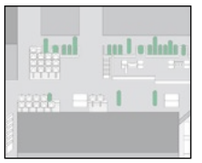
Plaza Cristo de Burgos



Plaza Ponce de Leon



Plaza de Pilatos



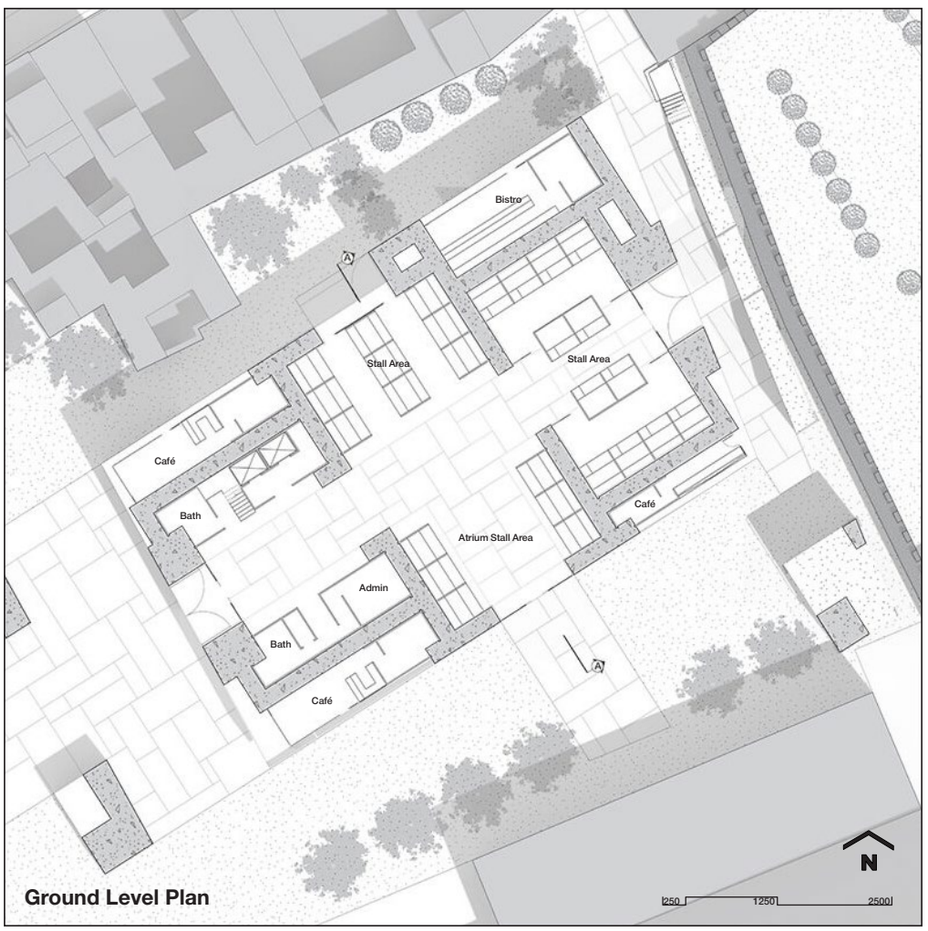
Plaza Alfalfa

Sevillan Plaza Abstractions

Analysis of Sevillan Plazas gives insight into how these spaces were interacted with on various levels.

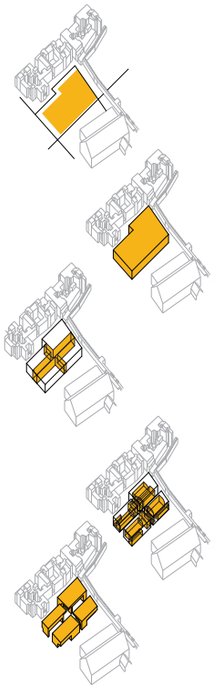
These analytics paired with the ideas of the Maria Luisa park (a prominent park in the area) which ***combines vast amounts of nature and open space to create social areas that are alive.***

The Agora de Sevilla then mirrors the green gardens opposite the wall, ***building the connection of the two.***



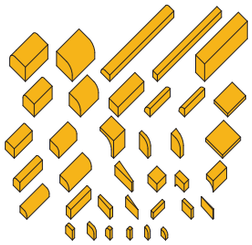
Ground Level Plan

Process Diagram

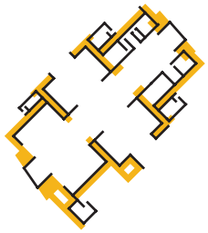


*The market is made up of **four fragments** taken out of one **monolith.** They are then broken up once more to create space in and around the structure.*

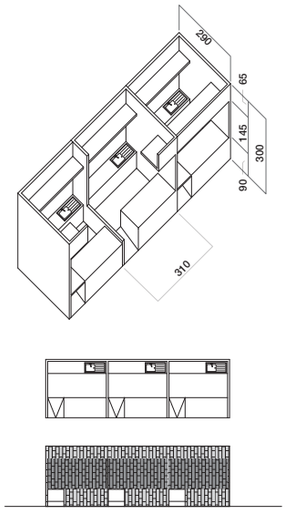
Subtracted Pieces



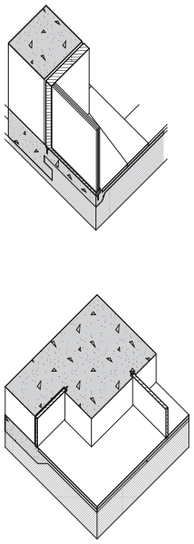
Gestures Diagram



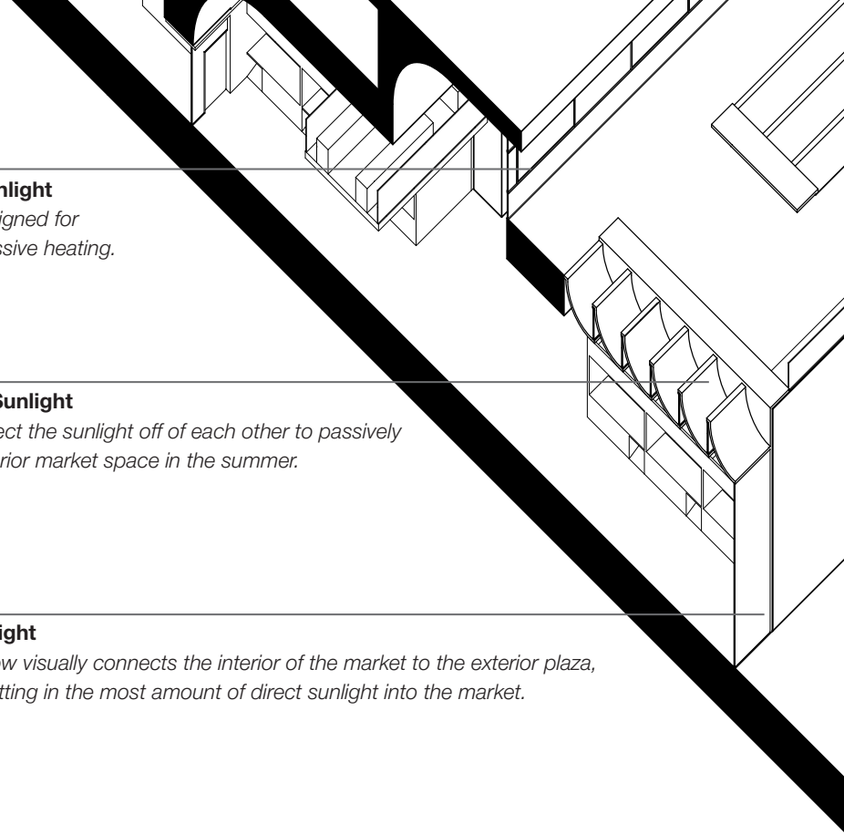
Market Stalls



Detailed Isos



Envelope Diagram

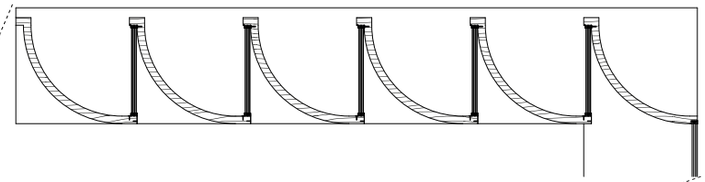


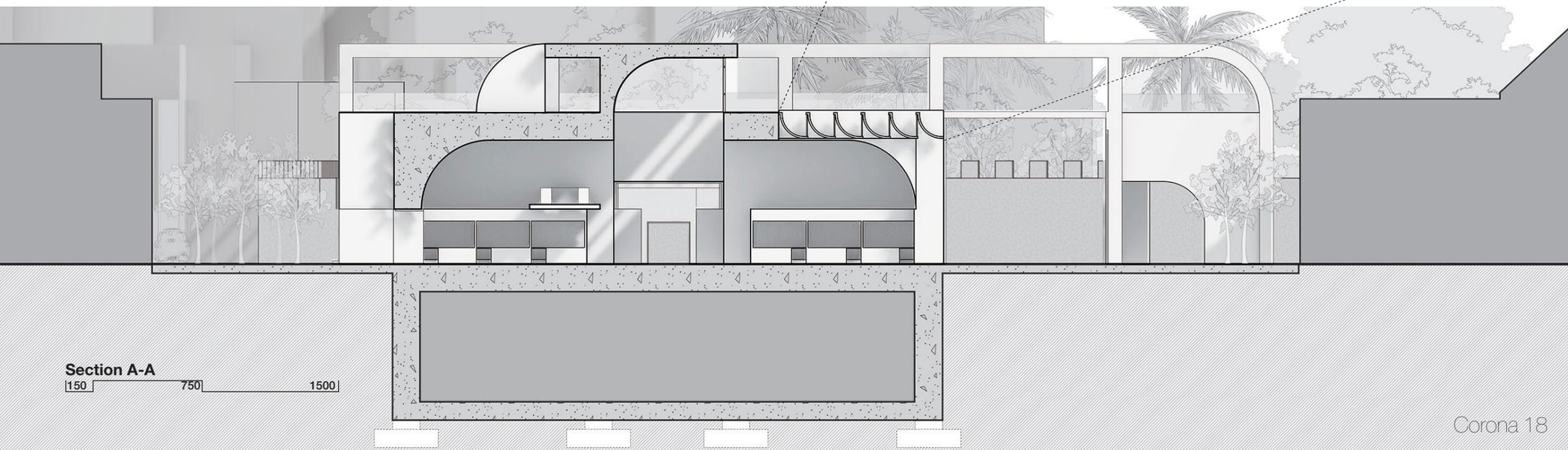
Indirect Sunlight
Skylight designed for effective passive heating.

Reflected Sunlight
Louvers reflect the sunlight off of each other to passively cool the interior market space in the summer.

Direct Sunlight
Large window visually connects the interior of the market to the exterior plaza, while also letting in the most amount of direct sunlight into the market.

Detailed Section: Louver System

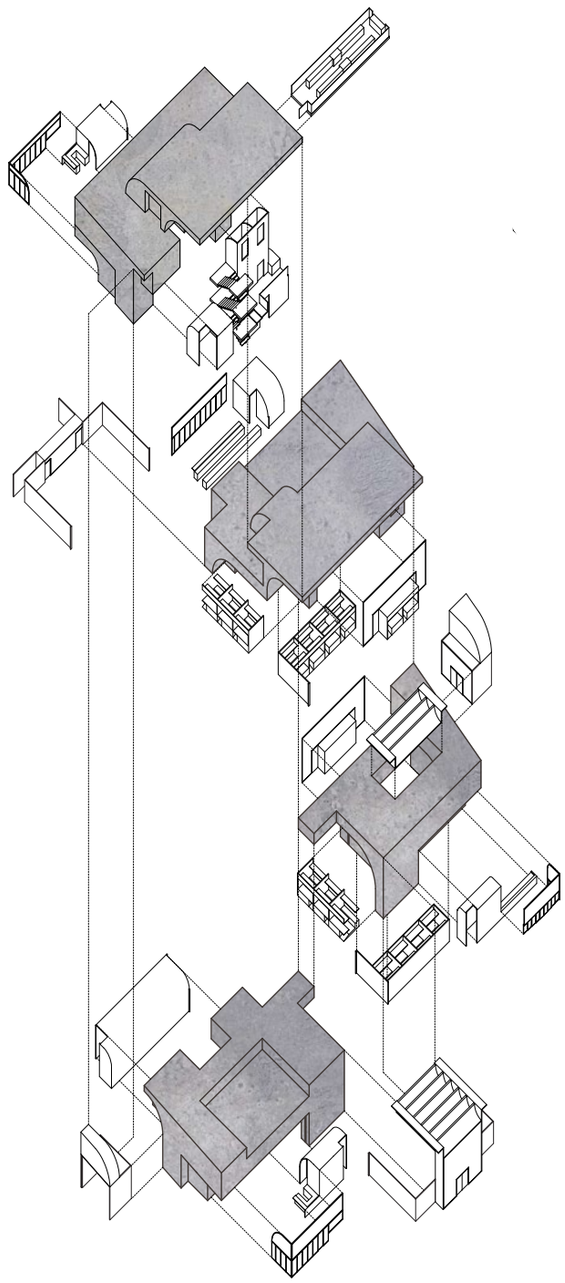




Section A-A

150 750 1500

Exploded Isometric



Program Circulation

Cafes

Stall Area

Kitchen Studios

Admin & Bathrooms

Thank You

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LinkedIn: esteban-corona